

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A system for detecting a level of liquid in a tank, comprising:

 a float which produces a displacement with the liquid level;

 a sensor part provided to the tank, the sensor part sensing a position of the liquid level in accordance with the displacement of the float, the sensor part comprising a circuit board and a Hall IC mechanically and electronically coupled to the circuit board for detecting the liquid level; and

 a casing arranged in the tank, the casing being isolated from the liquid, the casing accommodating the sensor part.

2. (original): The system as claimed in claim 1, further comprising a magnet which rotates in accordance with the displacement of the float, wherein the sensor part senses an angle of rotation of the magnet magnetically.

3. (currently amended): The system as claimed in claim 1, further comprising wherein the Hall IC and the magnet provide a non-contact coupling which couples the float and the sensor part through the casing in a non-contact way.

4. (cancelled).

5. (currently amended): The system as claimed in claim 4, wherein the rotation-angle sensor Hall IC comprises a housing, yokes, a Hall element, and a circuit board.

6. (cancelled).

7. (currently amended): The system as claimed in claim 5, wherein the Hall IC element is mounted on the circuit board.

Amendment under 37 C.F.R. § 1.111
Application No. 10/750,972

8 -10 (cancelled)